Army Contracting Business Intelligence System (ACBIS)

Management Workshop

Agenda

- First Day (0900 - 1600)
  - SEC-Lee Welcome – COL Rasmussen
  - Workshop Introduction/Objective – COL Harrison
  - What is Business Intelligence/ACBIS – Tom Evans
  - Data Sources – Trish Owens
  - Introduction to ACBIS and Business Objects – Brad Best
  - Lunch
  - Reports, Universes, Ad Hoc Reports – Brad Best
- Second Day (0800 – 1200)
  - ACBIS – Improvements, Enhancements and Added Functionality
  - Individualized Assistance

Army Contracting Business Intelligence System (ACBIS)

Overview Briefing

Management Workshop

Tom Evans
Army Contracting Agency

Agenda

- **Concept Definition: What Business Intelligence is**
- **Genesis: Why we need Business Intelligence**
- **Project Management Overview**
- **Project Description: What the ACBIS is & does**
- **The path forward: Future ACBIS Capabilities**
- **Discussion**

Business Intelligence

Business Intelligence is a broad category of applications and technologies for gathering, storing, analyzing and providing access to data to help enterprise users make better business decisions.

BI software allows a business entity to aggregate, manipulate and display data as actionable information, e.g. information that can acted upon in making informed proactive decisions.

Establishing a Culture of Measurement, K.R. Quinn, Information Builders

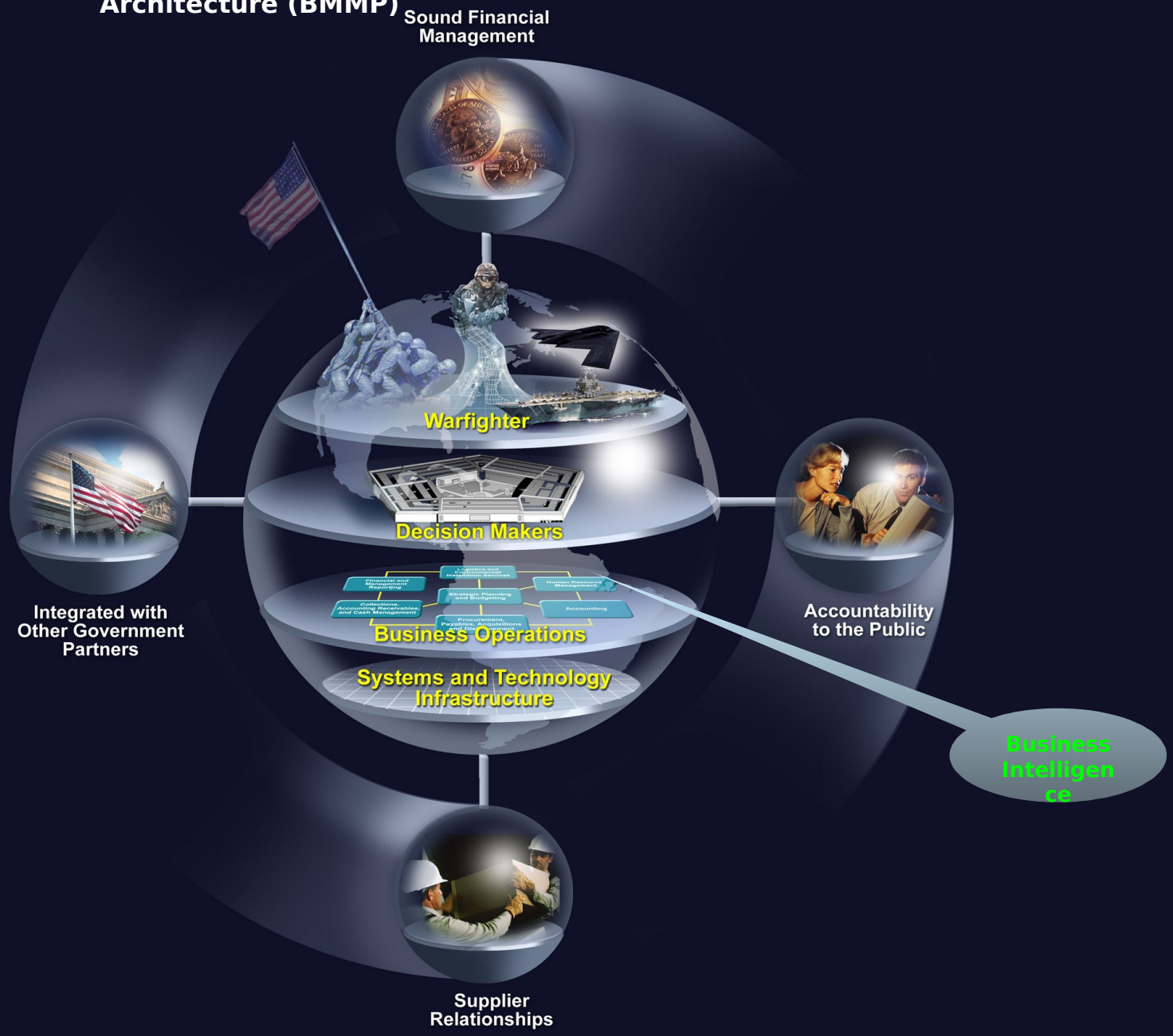
What are BI Applications

BI/ACBIS applications can be:

- **Mission Critical and integral to enterprise operations or occasional to meet a special requirement**
- **Enterprise-wide or local to one division, department or project**
- **Centrally initiated or driven by user demand**

The Bigger Picture

Business Intelligence and the DoD "To-Be" Architecture (BMMP)



Why Business Intelligence?

We need to uncover trends and patterns that might otherwise go undetected:

- Day-to-Day events
- Look at what might be or what might happen
- Provide notice to decision makers that something urgent might happen that may require their immediate attention.
- Support an in-depth study of an issue

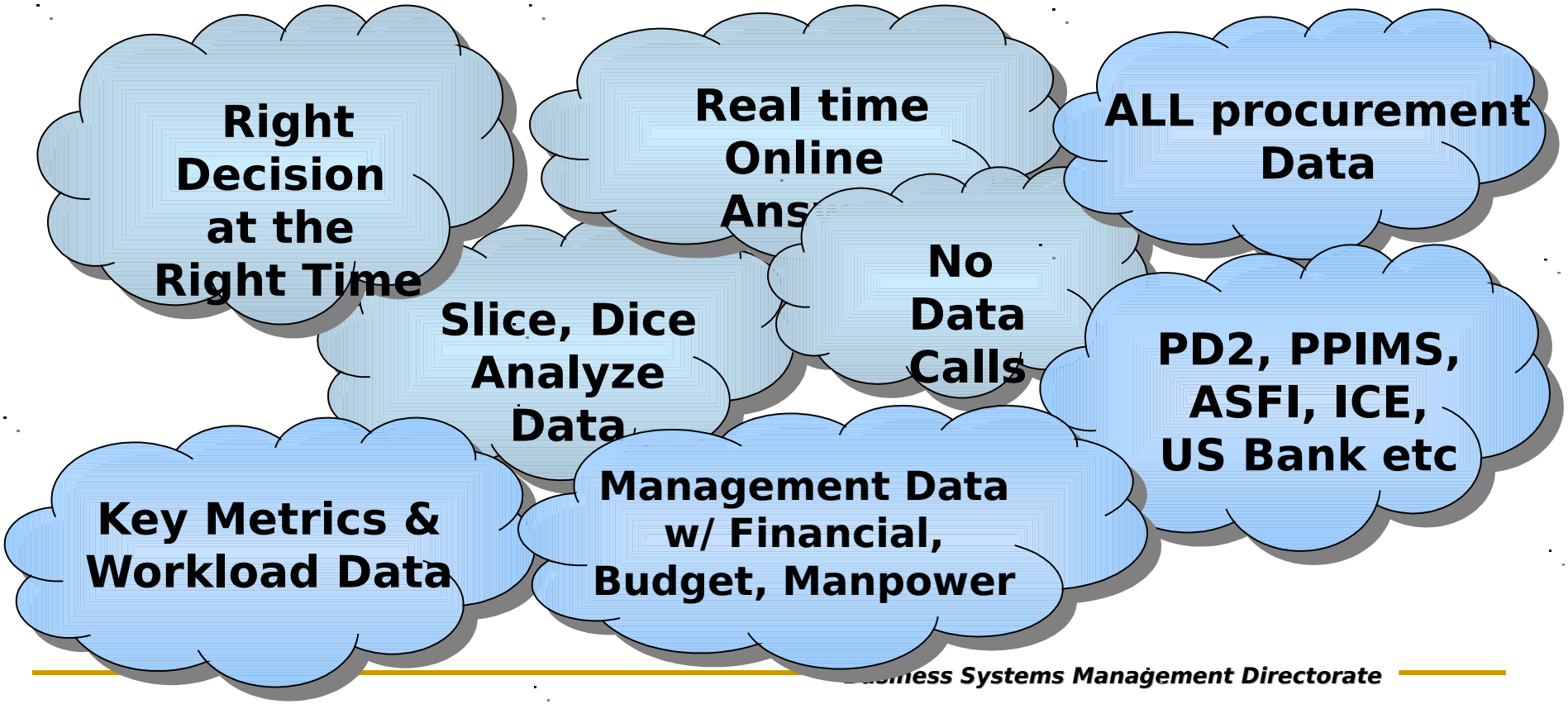
Why Business Intelligence?

Business
Intelligence
Makes
Enterprise
Data
Actionable

Genesis of the ACBIS

What if ...

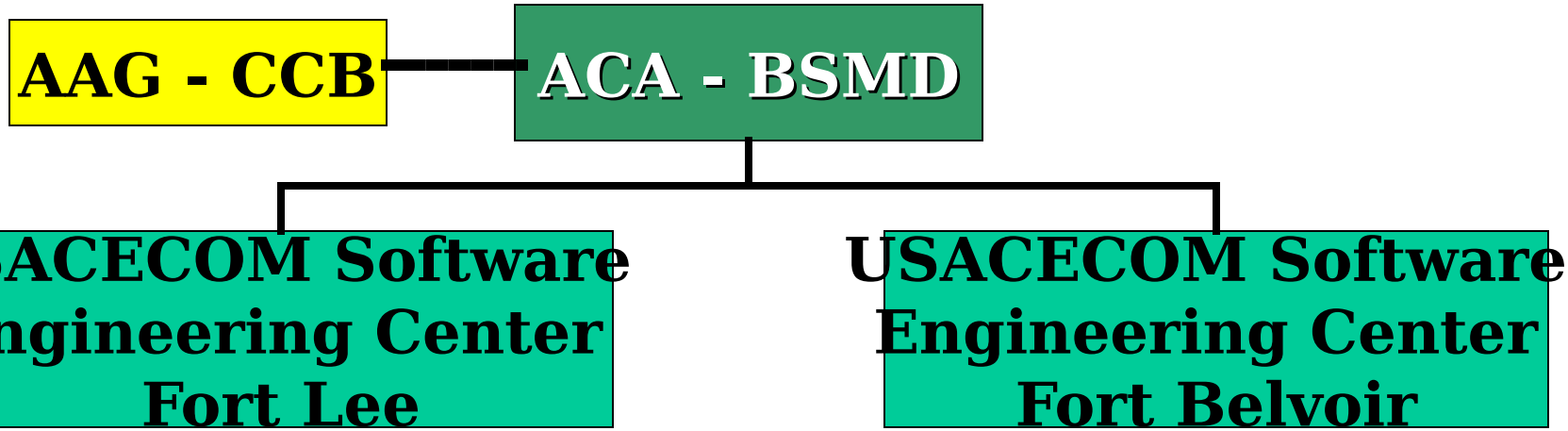
All performance information needed to make decisions and manage workload, resources, and metrics was available real-time at the click of a mouse


Right Decision at the Right Time
Real time Online Ans
ALL procurement Data
No Data Calls
Slice, Dice Analyze Data
PD2, PPIMS, ASFI, ICE, US Bank etc
Key Metrics & Workload Data
Management Data w/ Financial, Budget, Manpower

Genesis of the ACBIS – Why we need it

- **Provide Management Tools to the Entire Army Contracting Team**
- **Manage Army Contracting:**
  - **Effectively - decisions based on facts (metrics)**
  - **Efficiently -**
    - **Web-based Application – Anytime, anywhere.**
    - **Information Accessible by HQ, MACOMS, Regions, & DOCs**
      - **Workload Data**
      - **Budgeting & TDA Management**
      - **Reporting, Metrics, Queries**
      - **Information Dissemination / Policies**
      - **Historical Record Keeping**

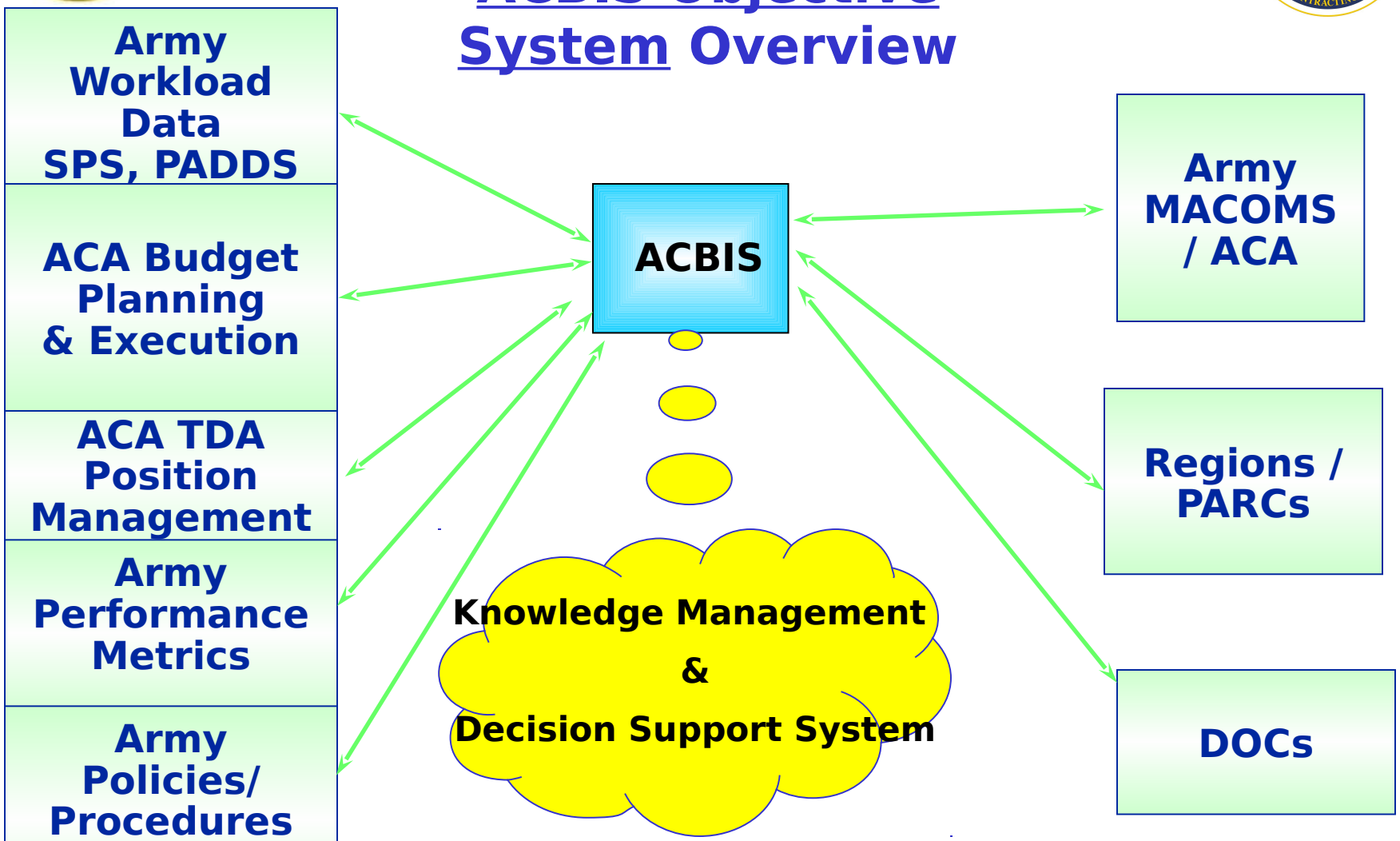
ACBIS Project Structure



- ACBIS Reporting
- Socio Economic
- AAPM

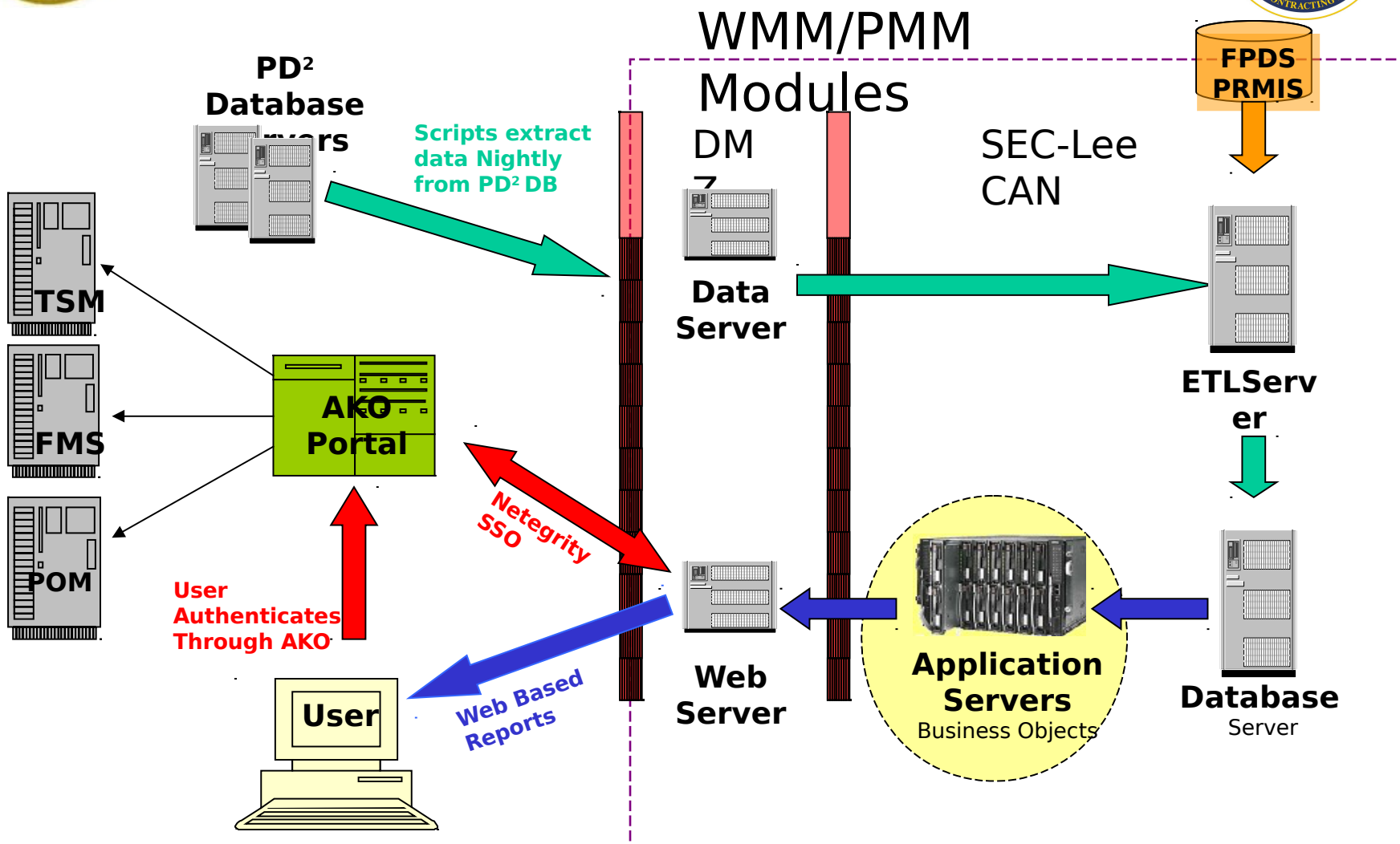
- FMIS Reports
- TADDS
- POM Build

ACBIS Objective System Overview



ACBIS Technical Overview

U.S. Army Contracting Agency



Future ACBIS "Block II" Functionalit

- Advance Acquisition Planning Module
- Best Practices Module
- Contingency Contracting Personnel Mgt Mod
- Purchase Card Analysis Module
- More Standard Workload Reports
- Dashboard Reporting at the Managers Desk
- **Incorporate PADDS & Remaining Army S**

The Reason You Are Here

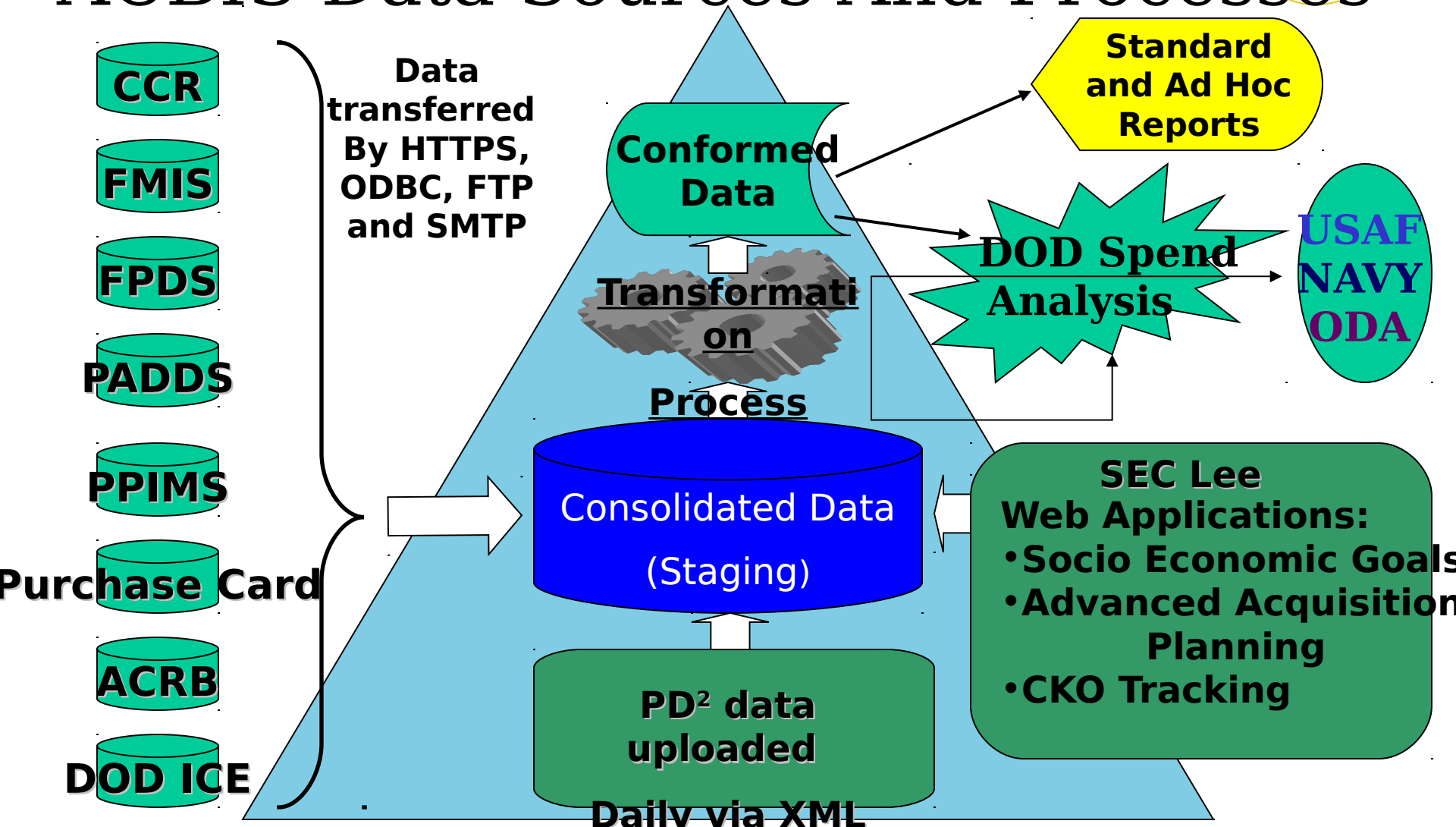
Questions

Thomas Evans, (703) 681-1055, evanst@saalt.army.mil

Army Contracting Business Intelligence System (ACBIS)

Data Sources Management Workshop

ACBIS Data Sources And Processes



Back Up Slides

1.0
AC BI System

Evolutionary Development

1.1
General System Capabilities

1.2 (ACA)
Block I Capability

1.3 (Army)
Block II Capability

1.4 (Army)
Block III Capability

1.2.1.1
Data Warehouse

1.2.1.2
System Admin

1.2.1.3
Apps/Web Servers

1.2.1.4
TAADS MGT Module TMM

1.2.1.5
Financial Spt Module FSM

1.2.1.6
Workload Mgt Module WMM

1.2.1.7
Performance Metrics Module PMM

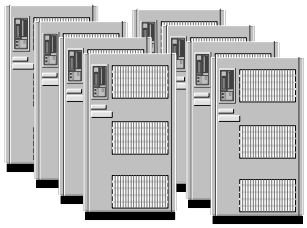
1.2.2
Training

1.2.3
Post IOC Testing

1.2.4
Deliverables Milestones Demos

ACA BI Technical Overview – AS IS

U.S. Army Contracting Agency



Scripts extract data Nightly from PD² DB

WMM/PMM Modules

DMZ

SEC-Lee CAN

SECLEEBIIS

SECLEEBIS1

SECLEEBIDB 1

Data Consolidated into Data Mart

TSM

FMS

RM Online

AKO Portal

Netegrity SSO

Web Based

User Authenticates Through AKO

Web Server
Compaq
Win2K
IIS

Application Server
Compaq
Win2K
BO

Database Server
SUN
Solaris
Sybase

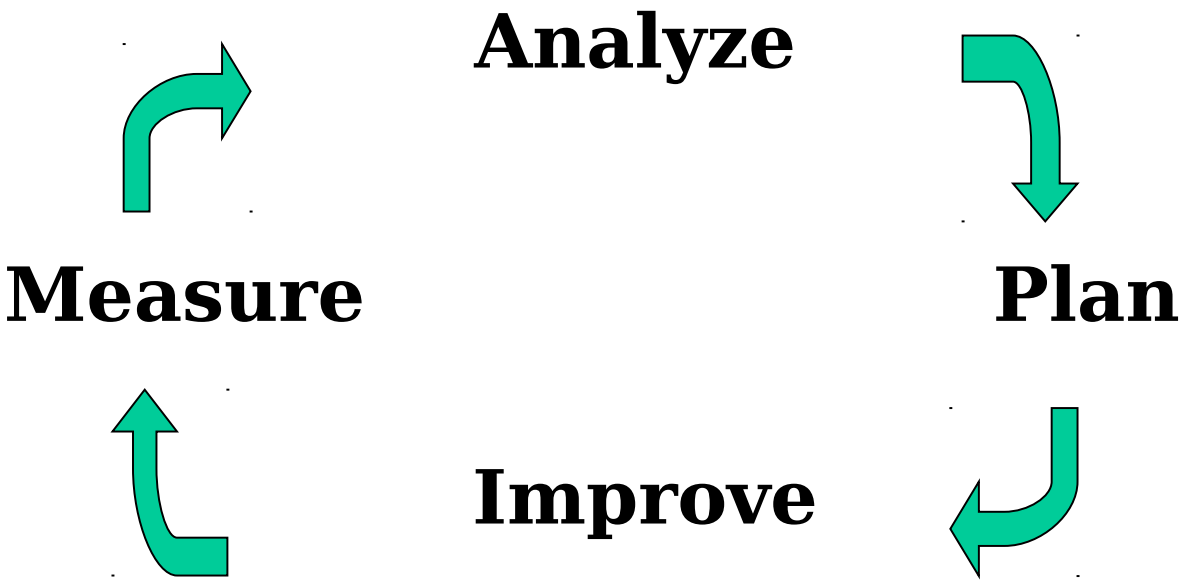
Link to PRMIS Database or Import Data into our Database TBD

FPDS PRMIS

User

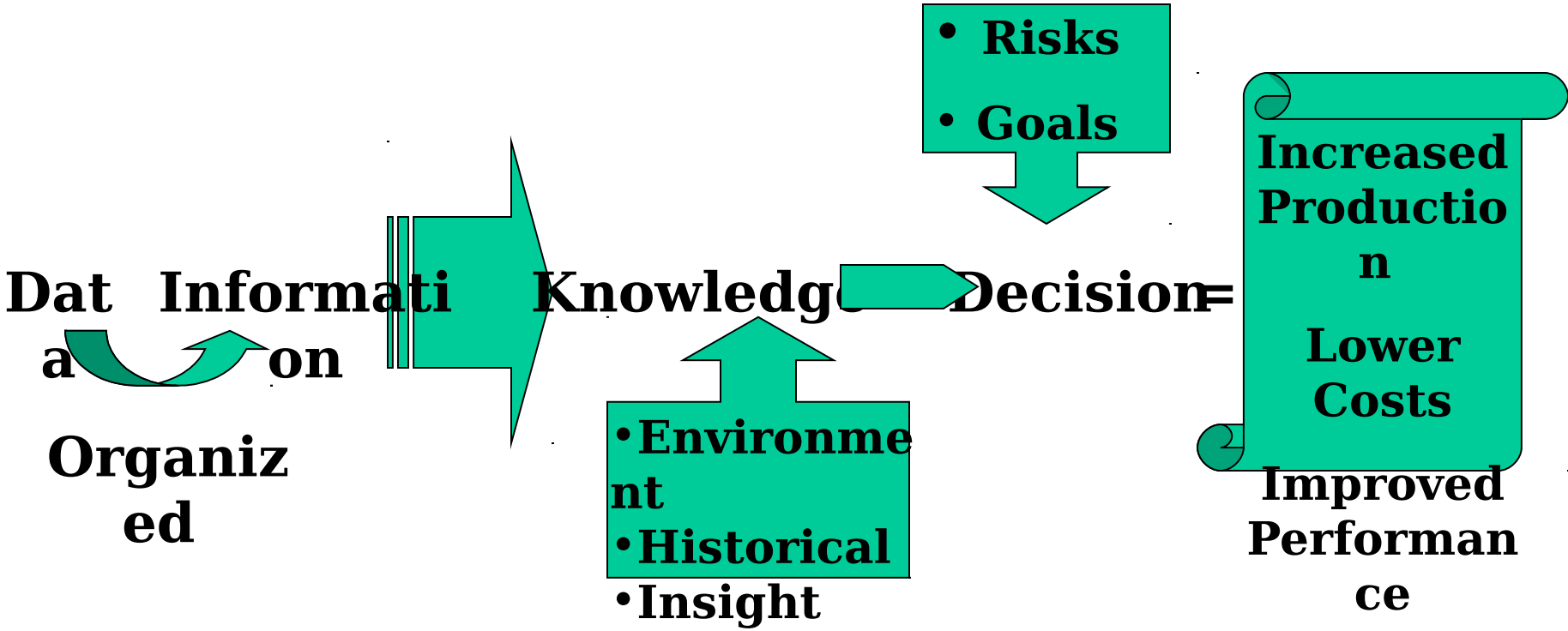
Two Views of the BI Process

BI Improvement Cycle



Two Views of the BI Process

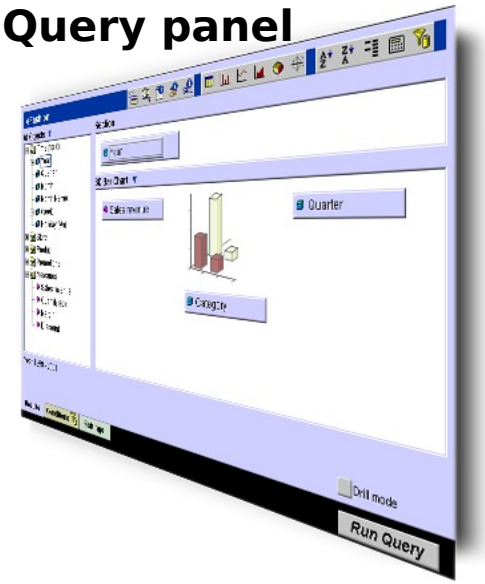
The Process



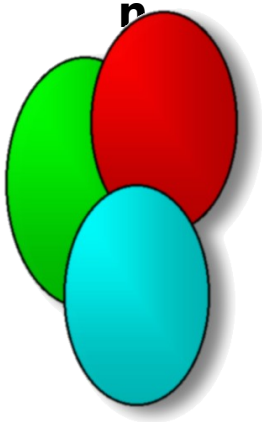
Business Intelligence: Defining the Con

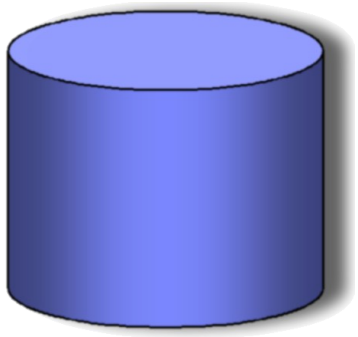
Army Users

Query panel



Business representation





Command databases

“Business representation layer” maps database to business terms-

- **Tables and columns translate to “folders” and “fields” that the users can relate to & understand. Creates an intuitive front end to the data.**

Easy reporting on key business indicators-

- **YTD obligations, deliveries/delinquencies, cycle time, socio-economic programs, workload, customer & contractor info.**